



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Kang-Hyun Baek

Appln. No.: 10/801,940

Filed : March 16, 2004

For : SELF ASSEMBLED THREE-
DIMENSIONAL PHOTONIC CRYSTAL

Docket No.: U11.12-0161

Group Art Unit:2873

**RESPONSE TO NOTICE TO FILE MISSING PARTS
OF APPLICATION - FILING DATE GRANTED
UNDER 37 C.F.R. §§ 1.53(f) AND 1.16(e)**

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING
SENT BY U.S. MAIL, FIRST CLASS, TO THE
COMMISSIONER FOR PATENTS, P.O. BOX 1450,
ALEXANDRIA, VA 22313-1450, THIS

3 DAY OF Aug, 2004

PATENT ATTORNEY

Sir:

In response to the Notice to File Missing Parts of application - Filing Date Granted dated June 3, 2004, Applicant encloses the following documents to complete the above-identified patent application filed March 16, 2004:

1. Charge Authorization Form PTO 2038 in the amount of \$986.00 (to cover the filing fee \$770; surcharge fee of \$130; and additional claim fee \$86).
2. Combined Declaration and Power of Attorney executed by the inventor(s).
3. Fee Calculation Sheet (duplicate).
4. Letter to Official Draftsperson
5. Thirteen (13) Sheets of Drawings
6. Information Disclosure Statement including PTO 1449

7. Copies of all non-U.S. references
8. Request for Corrected Filing Receipt
9. Copy of Filing Receipt with correction marked
10. Notice to File Missing Parts of Application-Filing Date Granted.

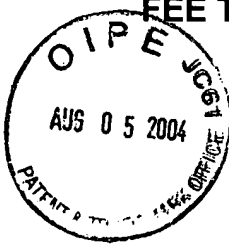
The Director is authorized to charge payment of any additional fees associated with this paper or credit any overpayment to Deposit Account No. 23-1123. A duplicate copy of this sheet is enclosed.

Respectfully submitted,
WESTMAN, CHAMPLIN & KELLY, P.A.

By: 

Judson K. Champlin, Reg. No. 34,797
Suite 1600 - International Centre
900 Second Avenue South
Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222 Fax: (612) 334-3312

JKC:lrs

 FEE TRANSMITTAL		Complete if Known																																																																																													
		Application No.	10/801,940																																																																																												
		Filing Date	March 16, 2004																																																																																												
		First Named Inventor	Kang-Hyun Baek																																																																																												
		Title	SELF ASSEMBLED THREE-DIMENSIONAL PHOTONIC CRYSTAL																																																																																												
		Group Art Unit	2873																																																																																												
		Examiner Name																																																																																													
Total Amount of Payment \$ 986		Atty. Docket Number	U11.12-0161																																																																																												
METHOD OF PAYMENT (Check One)		FEE CALCULATION (Continued)																																																																																													
1. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fee required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. <u>23-1123</u> . Westman, Champlin & Kelly, P.A. 2. <input checked="" type="checkbox"/> Charge Authorization Form PTO 2038		3. ADDITIONAL FEES <table style="width: 100%; font-size: x-small;"> <thead> <tr> <th>Large Entity Fee</th> <th>Small Entity Fee</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> <tr> <th>Code (\$)</th> <th>Code (\$)</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1051 130</td> <td>2051 65</td> <td>Surcharge - Late filing fee or oath</td> <td>130</td> </tr> <tr> <td>1052 50</td> <td>2052 25</td> <td>Surcharge - Late provisional Filing Fee or cover sheet</td> <td></td> </tr> <tr> <td>1053 130</td> <td>1053 130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812 2,520</td> <td>1812 2,520</td> <td>For Filing a Request for Reexamination. (ex parte)</td> <td></td> </tr> <tr> <td>1251 110</td> <td>2251 55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252 420</td> <td>2252 210</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253 950</td> <td>2253 475</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254 1,480</td> <td>2254 740</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255 2,010</td> <td>2255 1,005</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1402 330</td> <td>2402 165</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403 290</td> <td>2403 145</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1814 110</td> <td>2814 55</td> <td>Terminal Disclaimer Fee</td> <td></td> </tr> <tr> <td>1452 110</td> <td>2452 55</td> <td>Petition to Revive - unavoidable</td> <td></td> </tr> <tr> <td>1453 1,330</td> <td>2453 665</td> <td>Petition to Revive - unintentional</td> <td></td> </tr> <tr> <td>1501 1,330</td> <td>2501 665</td> <td>Utility/Reissue issue fee (inc. advance copies)</td> <td></td> </tr> <tr> <td>1502 480</td> <td>2502 240</td> <td>Design issue fee (inc. advance copies)</td> <td></td> </tr> <tr> <td>1460 130</td> <td>1460 130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807 50</td> <td>1807 50</td> <td>Petitions related to provisional applications</td> <td></td> </tr> <tr> <td>1806 180</td> <td>1806 180</td> <td>Submission of Information Disclosure Statement</td> <td></td> </tr> <tr> <td>8021 40</td> <td>8021 40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td colspan="4">Other Fee (specify) _____</td> </tr> </tbody> </table>		Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid	Code (\$)	Code (\$)			1051 130	2051 65	Surcharge - Late filing fee or oath	130	1052 50	2052 25	Surcharge - Late provisional Filing Fee or cover sheet		1053 130	1053 130	Non-English specification		1812 2,520	1812 2,520	For Filing a Request for Reexamination. (ex parte)		1251 110	2251 55	Extension for reply within first month		1252 420	2252 210	Extension for reply within second month		1253 950	2253 475	Extension for reply within third month		1254 1,480	2254 740	Extension for reply within fourth month		1255 2,010	2255 1,005	Extension for reply within fifth month		1402 330	2402 165	Filing a brief in support of an appeal		1403 290	2403 145	Request for oral hearing		1814 110	2814 55	Terminal Disclaimer Fee		1452 110	2452 55	Petition to Revive - unavoidable		1453 1,330	2453 665	Petition to Revive - unintentional		1501 1,330	2501 665	Utility/Reissue issue fee (inc. advance copies)		1502 480	2502 240	Design issue fee (inc. advance copies)		1460 130	1460 130	Petitions to the Commissioner		1807 50	1807 50	Petitions related to provisional applications		1806 180	1806 180	Submission of Information Disclosure Statement		8021 40	8021 40	Recording each patent assignment per property (times number of properties)		Other Fee (specify) _____			
Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid																																																																																												
Code (\$)	Code (\$)																																																																																														
1051 130	2051 65	Surcharge - Late filing fee or oath	130																																																																																												
1052 50	2052 25	Surcharge - Late provisional Filing Fee or cover sheet																																																																																													
1053 130	1053 130	Non-English specification																																																																																													
1812 2,520	1812 2,520	For Filing a Request for Reexamination. (ex parte)																																																																																													
1251 110	2251 55	Extension for reply within first month																																																																																													
1252 420	2252 210	Extension for reply within second month																																																																																													
1253 950	2253 475	Extension for reply within third month																																																																																													
1254 1,480	2254 740	Extension for reply within fourth month																																																																																													
1255 2,010	2255 1,005	Extension for reply within fifth month																																																																																													
1402 330	2402 165	Filing a brief in support of an appeal																																																																																													
1403 290	2403 145	Request for oral hearing																																																																																													
1814 110	2814 55	Terminal Disclaimer Fee																																																																																													
1452 110	2452 55	Petition to Revive - unavoidable																																																																																													
1453 1,330	2453 665	Petition to Revive - unintentional																																																																																													
1501 1,330	2501 665	Utility/Reissue issue fee (inc. advance copies)																																																																																													
1502 480	2502 240	Design issue fee (inc. advance copies)																																																																																													
1460 130	1460 130	Petitions to the Commissioner																																																																																													
1807 50	1807 50	Petitions related to provisional applications																																																																																													
1806 180	1806 180	Submission of Information Disclosure Statement																																																																																													
8021 40	8021 40	Recording each patent assignment per property (times number of properties)																																																																																													
Other Fee (specify) _____																																																																																															
FEE CALCULATION																																																																																															
1. BASIC FILING FEE																																																																																															
<table style="width: 100%; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th></th> </tr> <tr> <th>Fee</th> <th>Fee</th> <th>Fee</th> <th>Fee</th> <th></th> </tr> <tr> <th>Code</th> <th>(\$)</th> <th>Code</th> <th>(\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>1001 770</td> <td>2001 385</td> <td><input checked="" type="checkbox"/> Utility Filing Fee</td> <td></td> <td></td> </tr> <tr> <td>1002 340</td> <td>2002 170</td> <td><input type="checkbox"/> Design Filing Fee</td> <td></td> <td></td> </tr> <tr> <td>1004 770</td> <td>2004 385</td> <td><input type="checkbox"/> Reissue Filing Fee</td> <td></td> <td></td> </tr> <tr> <td>1005 160</td> <td>2005 80</td> <td><input type="checkbox"/> Prov. Filing Fee</td> <td></td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">Subtotal (1) \$ 770</td> </tr> </tbody> </table>		Large Entity		Small Entity			Fee	Fee	Fee	Fee		Code	(\$)	Code	(\$)	Fee Description	1001 770	2001 385	<input checked="" type="checkbox"/> Utility Filing Fee			1002 340	2002 170	<input type="checkbox"/> Design Filing Fee			1004 770	2004 385	<input type="checkbox"/> Reissue Filing Fee			1005 160	2005 80	<input type="checkbox"/> Prov. Filing Fee			Subtotal (1) \$ 770																																																										
Large Entity		Small Entity																																																																																													
Fee	Fee	Fee	Fee																																																																																												
Code	(\$)	Code	(\$)	Fee Description																																																																																											
1001 770	2001 385	<input checked="" type="checkbox"/> Utility Filing Fee																																																																																													
1002 340	2002 170	<input type="checkbox"/> Design Filing Fee																																																																																													
1004 770	2004 385	<input type="checkbox"/> Reissue Filing Fee																																																																																													
1005 160	2005 80	<input type="checkbox"/> Prov. Filing Fee																																																																																													
Subtotal (1) \$ 770																																																																																															
2. EXTRA CLAIM FEES																																																																																															
<table style="width: 100%; font-size: x-small;"> <thead> <tr> <th></th> <th>Number Claims</th> <th>Prior**</th> <th>Extra</th> <th>Fee from Below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>12</td> <td>20</td> <td>0</td> <td>18</td> <td>0</td> </tr> <tr> <td>Indep.</td> <td>4</td> <td>3</td> <td>1</td> <td>86</td> <td>86</td> </tr> </tbody> </table>			Number Claims	Prior**	Extra	Fee from Below	Fee Paid	Total	12	20	0	18	0	Indep.	4	3	1	86	86																																																																												
	Number Claims	Prior**	Extra	Fee from Below	Fee Paid																																																																																										
Total	12	20	0	18	0																																																																																										
Indep.	4	3	1	86	86																																																																																										
Multiple Dependent Claims ** Insert 3 and 20, or number previously paid if greater; Reissue see below <table style="width: 100%; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th></th> </tr> <tr> <th>Fee</th> <th>Fee</th> <th>Fee</th> <th>Fee</th> <th>Description</th> </tr> <tr> <th>Code</th> <th>(\$)</th> <th>Code</th> <th>(\$)</th> <th></th> </tr> </thead> <tbody> <tr> <td>1202 18</td> <td>2202 9</td> <td>Claims in excess of 20</td> <td></td> <td></td> </tr> <tr> <td>1201 86</td> <td>2201 43</td> <td>Independent claims in excess of 3</td> <td></td> <td></td> </tr> <tr> <td>1203 290</td> <td>2203 145</td> <td>Multiple Dependent Claims</td> <td></td> <td></td> </tr> <tr> <td>1204 86</td> <td>2204 43</td> <td>Reissue Independent Claims over Original Patent</td> <td></td> <td></td> </tr> <tr> <td>1205 18</td> <td>2205 9</td> <td>Reissue claims in excess of 20 and over original patent</td> <td></td> <td></td> </tr> </tbody> </table>		Large Entity		Small Entity			Fee	Fee	Fee	Fee	Description	Code	(\$)	Code	(\$)		1202 18	2202 9	Claims in excess of 20			1201 86	2201 43	Independent claims in excess of 3			1203 290	2203 145	Multiple Dependent Claims			1204 86	2204 43	Reissue Independent Claims over Original Patent			1205 18	2205 9	Reissue claims in excess of 20 and over original patent																																																								
Large Entity		Small Entity																																																																																													
Fee	Fee	Fee	Fee	Description																																																																																											
Code	(\$)	Code	(\$)																																																																																												
1202 18	2202 9	Claims in excess of 20																																																																																													
1201 86	2201 43	Independent claims in excess of 3																																																																																													
1203 290	2203 145	Multiple Dependent Claims																																																																																													
1204 86	2204 43	Reissue Independent Claims over Original Patent																																																																																													
1205 18	2205 9	Reissue claims in excess of 20 and over original patent																																																																																													
Subtotal (2) \$ 86		Subtotal (3) \$130																																																																																													

 Signature Judson K Champlin
 (Judson K Champlin)

 Date May 3, 2004

 Reg. No. 34,797

 Deposit Account No. 23-1123



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Kang-Hyun Baek

Appln. No.: 10/801,940

Filed : March 16, 2004

For : SELF ASSEMBLED THREE-
DIMENSIONAL PHOTONIC CRYSTAL

Docket No.: U11.12-0161

Group Art Unit:2873

LETTER TO OFFICIAL DRAFTSPERSON

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING
SENT BY U.S. MAIL, FIRST CLASS, TO THE
COMMISSIONER FOR PATENTS, P.O. BOX 1450,
ALEXANDRIA, VA 22313-1450, THIS

3 DAY OF Aug, 2004

[Signature]
PATENT ATTORNEY

Sir:

Enclosed are **thirteen** (13) sheets of formal drawings
for filing in the above-identified application.

Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

By: [Signature]

Judson K. Champlin, Reg. No. 34,797
Suite 1600 - International Centre
900 Second Avenue South
Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222 Fax: (612) 334-3312

JKC:lrs



AUG 05 2004

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1550
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/801,940	03/16/2004	Kang-Hyun Baek	U11.12-0161

CONFIRMATION NO. 2912

WESTMAN, CHAMPLIN & KELLY, P.A.
 International Centre - Suite 1600
 900 Second Avenue South
 Minneapolis, MN 55402-3319

FORMALITIES LETTER



OC000000012849818

Date Mailed: 06/03/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted***Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 385 to complete the basic filing fee for a small entity.
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of \$43 as a small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$493** for a Small Entity

- **\$385** Statutory basic filing fee.
- **\$65** Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is **\$43**

08/06/2004 BSAYAS11 00000012 10801940

01 FC:1001	770.00 OP
02 FC:1051	130.00 OP
03 FC:1201	86.00 OP

- \$43 for 1 independent claims over 3.

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

Muhammed H. H. H.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2.- COPY TO BE RETURNED WITH RESPONSE